	Page	1	of	5
Docket No.	YOR9200300	59	US	1

## **DECLARATION FOR PATENT APPLICATION English Language Declaration**

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

A VOID-FREE DAMASCENE COPPER DEPOSITION PROCESS AND MEANS OF MONITORING

THE	EOF
	ecification of which one)
X D	s attached hereto.  vas filed on, as United States Patent Application Serial No. or PCT International application Number, and was amended on(if applicable)
	by state that I have reviewed and understand the contents of the above-identified specification, and the claims, as amended by any amendment referred to above.
	owledge the duty to disclose information which is material to the patentability of this application in ance with 37 CFR § 1.56(a).
for p designident	y claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or §365(b) of any foreign application(s) ent or inventor's certificate listed below, or § 365(a) of any PCT international application which ated at least one country other than the United States of America, listed below and have also ed below any foreign application for patent or inventor's certificate having a filing date before that of slication on which priority is claimed:
	Dright Claimed

			Priority Claimed		
(Application No.)	(Country)	(Day/Month/Year Filed)	[] YES	NO [ ]	
(Application No.)	(Country)	(Day/Month/Year Filed)	{ } YES	NO []	
(Application No.)	(Country)	(Day/Month/Year Filed)	[ ] YES	NO	

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I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below:

(Application Serial No.)	(Filing Date)
(Application Serial No.)	(Filing Date)
(Application Serial No.)	(Filing Date)

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by 35 U.S.C. § 112, first paragraph, I acknowledge the duty to disclose material information as defined in 37 CFR § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.)	(U.S. Filing Date)	(Status) (patented, pending, abandoned)
(Application Serial No.)	(U.S. Filing Date)	(Status) (patented, pending, abandoned)
(Application Serial No.)	(U.S. Filing Date)	(Status) (patented, pending, abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Page 3 of 5 Docket No. YOR920030059US1

The second of th

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: (list name and registraton number)

Manny W. Schecter (Reg. 31,722), Kevin M. Jordan (Reg. 40,277), Christopher A. Hughes (Reg. 26,914) John E. Hoel (Reg. 26,279), Joseph C. Redmond, Jr. (Reg. 18,753), Richard M. Ludwin (Reg. 33,010), Douglas W. Cameron (Reg. 31,596), Wan Yee Cheung (Reg. 42,410), Thu Ann Dang (41,544), Timothy M. Farrell (Reg. 37,321), Louis P. Herzberg (Reg. 41,500), Derek S. Jennings (Reg. 31,473), Stephen C. Kaufman (Reg. 29,551), Daniel P. Morris (Reg. 32,053), Louis J. Percello (Reg. 33,206), Robert M. Trepp (Reg. 25,933) and Gail H. Zarick (Reg. 43,303), all of INTERNATIONAL BUSINESS MACHINES CORPORATION.

Send Correspondence to:

Customer No. 30678

(Connolly Bove Lodge & Hutz, LLP

P.O. Box 19088 Washington, DC 20036)

and Direct Telephone Calls to:

John A. Evans (44,100)

(202) 331-7111

Full name of sole or first inv	entor Panayotis Andricacos
Inventor's Signature Residence Address Citizenship Post Office Address	29 L Scenic Drive, Croton-on-Hudson, NY 10520  Greece  Same as above
Full name of second joint in	ventor (if any) Dean S. Chung
Inventor's Signature Residence Address Citizenship	9 Pinecrest Drive #3, Essex Junction, VT 05452 USA
Post Office Address	Same as above

Page 4 of 5 Docket No. YOR920030059US1

r (if any) Hariklia Deligianni
Date  34 Grand Cove Way South, Edgewater, NJ 07020  USA Same as above
or (if any)  James E. Fluegel
Date 5-30-03 B28 Cedar Heights Road, Rhinebeck, NY 12572 USA Same as above
(if any) Keith T. Kwietniak
Date
or (if any) Peter S. Locke
By Dogwood Road, Hopewell Junction, NY 12533 USA Same as above
entor (if any) Darryl D. Restaino
Daugh D. Rusfaut Date 5-30-03  14 Susi Oval, Modena, NY 12548 USA  USA  Same as above

Page 5 of 5 Docket No. YOR920030059US1

Full name of eighth joint inv	entor (if any) Soon-Cheon Seo
Inventor's Signature Residence Address Citizenship Post Office Address	19C Hillside Terrace, White Plains, NY 10601  Korea  Same as above
Full name of ninth joint inve	entor (if any) Philippe M. Vereecken
Inventor's Signature Residence Address Citizenship Post Office Address	48 New Broadway, Sleepy Hollow, NY 10591 USA Belgium Same as above
Full name of tenth joint inve	entor (if any) Erick G. Walton
Inventor's Signature	Date
Residence Address	18 Covey Road, Underhill, VT 05489
Citizenship	USA
Post Office Address	Same as above

	Page 1 of 5
Docket No.	YOR920030059US1

## DECLARATION FOR PATENT APPLICATION English Language Declaration

As a below-named inventor, I hereby declare that:

the application on which priority is claimed:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

A VOID-FREE DAMASCENE COPPER DEPOSITION PROCESS AND MEANS OF MONITORING THEREOF

	pecification of which ck one)
☒	is attached hereto. was filed on, as United States Patent Application Serial No. or PCT International Application Number, and was amended on(if applicable)
	eby state that I have reviewed and understand the contents of the above-identified specification, ding the claims, as amended by any amendment referred to above.
	nowledge the duty to disclose information which is material to the patentability of this application in dance with 37 CFR § 1.56(a).
for p	eby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or §365(b) of any foreign application(s) atent or inventor's certificate listed below, or § 365(a) of any PCT international application which mated at least one country other than the United States of America, listed below and have also ified below any foreign application for patent or inventor's certificate having a filing date before that of

			Priority (	Claimed
(Application No.)	(Country)	(Day/Month/Year Filed)	[] YES	NO []
(Application No.)	(Country)	(Day/Month/Year Filed)	( ) YES	[] NO
(Application No.)	(Country)	(Day/Month/Year Filed)	YES	NO

	Page 2 of 5
Docket No.	YOR920030059US1

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below:

(Application Serial No.)	(Filing Date)
(Application Serial No.)	(Filing Date)
(Application Serial No.)	(Filing Date)

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by 35 U.S.C. § 112, first paragraph, I acknowledge the duty to disclose material information as defined in 37 CFR § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.)	(U.S. Filing Date)	(Status) (patented, pending, abandoned)
(Application Serial No.)	(U.S. Filing Date)	(Status) (patented, pending, abandoned)
(Application Serial No.)	(U.S. Filing Date)	(Status) (patented, pending, abandoned)

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Page 3 of 5 Docket No. YOR920030059US1

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Manny W. Schecter (Reg. 31,722), Kevin M. Jordan (Reg. 40,277), Christopher A. Hughes (Reg. 26,914) John E. Hoel (Reg. 26,279), Joseph C. Redmond, Jr. (Reg. 18,753), Richard M. Ludwin (Reg. 33,010), Douglas W. Cameron (Reg. 31,596), Wan Yee Cheung (Reg. 42,410), Thu Ann Dang (41,544), Timothy M. Farrell (Reg. 37,321), Louis P. Herzberg (Reg. 41,500), Derek S. Jennings (Reg. 31,473), Stephen C. Kaufman (Reg. 29,551), Daniel P. Morris (Reg. 32,053), Louis J. Percello (Reg. 33,206), Robert M. Trepp (Reg. 25,933) and Gail H. Zarick (Reg. 43,303), all of INTERNATIONAL BUSINESS MACHINES CORPORATION.

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Washington, DC 20036)

and Direct Telephone Calls to:

John A. Evans (44,100)

(202) 331-7111

Full name of sole or first inve	Panayotis Andricacos		
Inventor's Signature	Danago his Andrica Cool.  29 L Scenic Drive, Croton-on-Hudson, NY 10520		
Residence Address	29 L Scenic Drive, Croton-on-Hudson, NY 10520		
Citizenship	Greece		
Post Office Address	Same as above		
Full name of second joint in	ventor (if any) Dean S. Chung		
Inventor's Signature	Date		
Residence Address	9 Pinecrest Drive #3, Essex Junction, VT 05452		
Citizenship	USA		
Post Office Address Same as above			

Page 4 of 5 Docket No. YOR920030059US1

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Full name of third joint inven	tor (if any) Hariklia Deligianni		
Inventor's Signature Residence Address Citizenship Post Office Address	Hariklia Deligianni Date 6/03/03 34 Grand Cove Way South, Edgewater, NJ 07020 HD USA 6 Lancaster Rd, Tenafly, NJ 07670 Same as above		
Full name of fourth joint inventor (if any)  James E. Fluegel			
Inventor's Signature Residence Address Citizenship Post Office Address	328 Cedar Heights Road, Rhinebeck, NY 12572 USA Same as above		
Full name of fifth joint inven	tor (if any) Keith T. Kwietniak		
Inventor's Signature Residence Address Citizenship Post Office Address	Aut 7 Awritail Date 6-2-03  34 Dry Creek Road, Highlandfalls, NY 10928  USA  Same as above		
Full name of sixth joint inver	ntor (if any) Peter S. Locke		
Inventor's Signature Residence Address Citizenship Post Office Address	89 Dogwood Road, Hopewell Junction, NY 12533 USA Same as above		
Full name of seventh joint inventor (if any) Darryl D. Restaino			
Inventor's Signature Residence Address Citizenship Post Office Address	14 Susi Oval, Modena, NY 12548 USA USA Same as above		

1-

Page 5 of 5 Docket No. YOR920030059US1

Full name of eighth joint inv	entor (if any) Soon-Cheon Seo	
Inventor's Signature Residence Address Citizenship Post Office Address	19C Hillside Terrace, White Plains, NY 10601  Korea  Same as above	
Full name of ninth joint inve	ntor (if any) Philippe M. Vereecken	
Inventor's Signature Residence Address Citizenship Post Office Address	48 New Broadway, Sleepy Hollow, NY 10591 USA  Belgium  Same as above	/2003
Full name of tenth joint inve		
Inventor's Signature	Date	
Residence Address	18 Covey Road, Underhill, VT 05489	· · · · · · · · · · · · · · · · · · ·
Citizenship	USA	
Post Office Address	Same as above	

<del></del>	Page 1 of 5
Docket No.	YOR920030059US1

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A VOID-FREE DAMASCENE COPPER DEPOSITION PROCESS AND MEANS OF MONITORING THEREOF

	pecification of which ck one)	
☒	is attached hereto. was filed on Application Number	, as United States Patent Application Serial No. or PCT Internationa , and was amended on
	···	(if applicable)
l hor	ahy state that I have review	wed and understand the contents of the above-identified specification

I hereby state that I have reviewed and understand the contents of the above-identified specification including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with 37 CFR § 1.56(a).

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate listed below, or § 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

			Priority (	Jaimed
(Application No.)	(Country)	(Day/Month/Year Filed)	[] YES	[] NO
(Application No.)	(Country)	(Day/Month/Year Filed)	[] YES	[ ] NO
(Application No.)	(Country)	(Day/Month/Year Filed)	l I YES	i J NO

	Page 2 of 5	i
Docket No.	YOR920030059US1	

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(Application Serial No.)	(U.S. Filing Date)	(Status) (patented, pending, abandoned)
(Application Serial No.)	(U.S. Filing Date)	(Status) (patented, pending, abandoned)
(Application Serial No.)	(U.S. Filing Date)	(Status) (patented, pending, abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Page 3 of 5 Docket No. YOR920030059US1

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: (list name and registraton number)

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John A. Evans (44,100)

(202) 331-7111

nventer's Signature	Date
inventor's Signature Residence Address	
	29 L Scenic Drive, Croton-on-Hudson, NY 10520
Citizenship	Greece
Post Office Address	Same as above
iull name of second join	t inventor (if any)
Full name of second join	it inventor (if any) Dean S. Chung
•	Dear 3. Orlung
nventor's Signature	Dear 3. Orlung
inventor's Signature Residence Address	9 Pinecrest Drive #3, Essex Junction, VT 05452
nventor's Signature	Dear 3. Orlung

Page 4 of 5 Docket No. YOR920030059US1

Full name of third joint inventor (if any)		Hariklia Deligianni	
	-		
Inventor's Signature	_		Date
Residence Address	34 Grand	Cove Way South, Edgewater, N	NJ 07020
Citizenship	USA		
Post Office Address Same a		above	
Full name of fourth joint inve	entor (if any)	James E. Fluegel	
Inventor's Signature			Date
Residence Address	328 Ceda	ar Heights Road, Rhinebeck, NY	12572
Citizenship	USA		
Post Office Address	Same as	above	
Full name of fifth joint inven	ntor (if any)	Keith T. Kwietniak	
, , ,	,	Keitti I. Kwietilak	
lavanta la Cimantana			5.4
Inventor's Signature Residence Address	34 Dry C	reek Road, Highlandfalls, NY 10	Date
Citizenship	USA	reek (Voau, Flighlandialis, NT TO	920
Post Office Address	Same as	ahove	
	Jame as	apove	
Full name of sixth joint inventor (if any)  Peter S. Locke			
Inventor's Signature	_		Date
Residence Address		ood Road, Hopewell Junction, N	Y 12533
Citizenship	USA		
Post Office Address	Same as	above	
Full name of seventh joint inventor (if any) Darryl D. Restaino			
	***************************************		
Inventor's Signature			Date
Residence Address	14 Susi C	Oval, Modena, NY 12548 USA	
Citizenship	USA	, , , , , , , , , , , , , , , , , , , ,	
Post Office Address	Same as	above	
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Page 5 of 5 Docket No. YOR920030059US1

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Full name of eighth joint inv	entor (if any) Soon-Cheon Seo			
Inventor's Signature Residence Address	19C Hillside Terrace, White Plains, NY 10601			
Citizenship	Korea			
Post Office Address	Same as above			
Full name of ninth joint inventor (if any) Philippe M. Vereecken				
Inventor's Signature	Date			
Residence Address	48 New Broadway, Sleepy Hollow, NY 10591 USA			
Citizenship	Belgium			
Post Office Address	Same as above			
Full name of tenth joint inventor (if any) Erick G. Walton				
Inventor's Signature	500 War Date 6-27-2003			
Residence Address	18 Govey Road, Underhill, VT 05489 291 Marzett Rd, Shelburne,			
Citizenship	USA Vermont 05482 Co			
Post Office Address	Same as above			